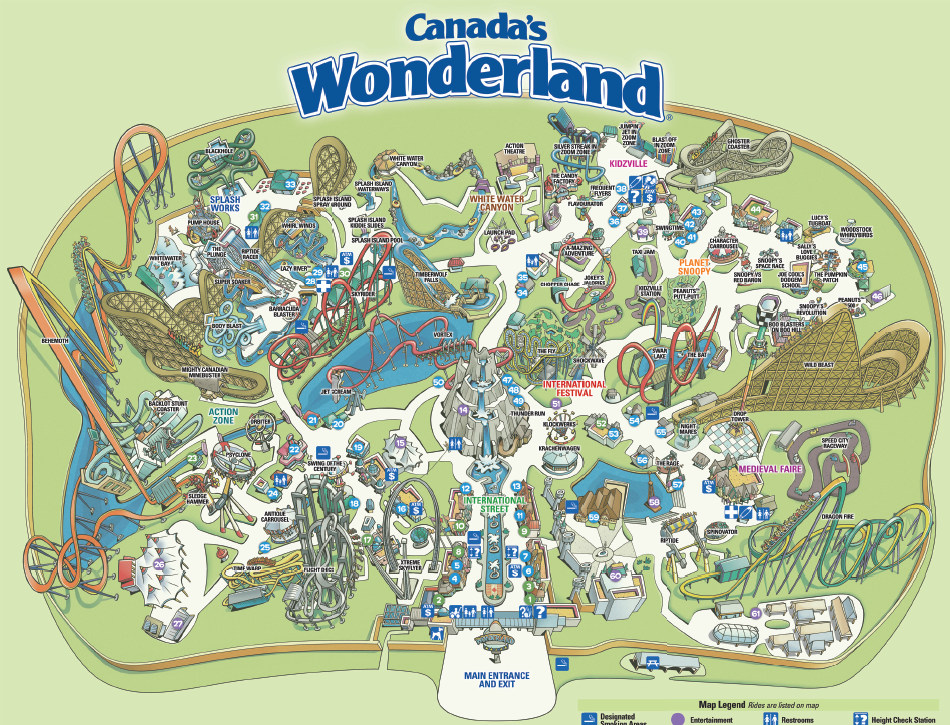
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Culminating Activity

A new entertainment company known as Cytoplasmic Fair has just bought out Canada’s Wonderland and would like to make the theme park more educational. The company has decided to open a new ground called “Cell Tour,” in order to get more students and parents out to their park. They want at least 5 to 8 of their rides to resemble parts of an animal or plant cell with the ride functioning similar to that of the actual organelle in a plant or animal cell. This entertainment company has hired you to prepare a blue print for their new rides and promote them through a podcast or other electronic tool that is to be presented to all of Ontario.



**There are FOUR parts to this activity**

1. You will begin by creating a blueprint of your rides on 8 by 14 inch paper. This blueprint can be drawn, created using computer software or magazine cutouts.
2. Write a short description, no more than one page in length, about your blue print. Your paragraph should explain each ride – talk about how your ride looks, how it functions and how it relates to the actual organelle in terms of its appearance and function.
3. Write a short explanation of how the electron microscope helped you with the understanding of cells/cell processes and its physical appearance.
4. Make a Visual/Oral presentation of your blueprint to persuade your audience to come to your Fair Ground through various advertising strategies (Can be in the form of a Podcast, Vodcast, Powerpoint, Digital Storytelling, News Report, Radio Show etc.)

**Use the Checklist on the back as a guide for your blueprint, paragraph and presentation.**

**Cell Amusement Park Culminating Activity CHECKLIST!!**

Your blueprint will be marked for accuracy of organelle resemblance to the original organelle as well as how the function of your ride relates to the actual function of the organelle.

**Blueprint Checklist**

* You have 5 to 8 organelle rides.
* Your rides resemble the organelles you chose.
* Your ride’s function relates to the actual function of the organelle you chose.
* You can clearly tell which organelle makes up your ride.
* You have cleared up any questions you have.

**Written Piece Checklist**

* You have explained each of your rides
* Your explanation includes what type of cell each ride (organelle) is from and states whether the organelle is from an animal cell or plant cell
* Your explanation includes how your ride resembles the organelle.
* Your explanation includes how your ride functions similar to the actual organelle.
* You have a paragraph explaining how the microscope has helped you understand organelles and their physical appearance.
* Your explanation is no more than one-two pages in length.
* You have cleared up any questions you have.

**Oral Presentation Checklist**

* You have created a visual presentation for your amusement park showing your rides
* Your presentation is creative.
* Your presentation is persuasive and makes your audience want to come to your amusement park.
* You have cleared up any questions you have.

**Important**

* **You have handed in a copy of your blueprint, and your written component on the set due date.**

Brainstorming Handout

|  |  |  |
| --- | --- | --- |
| **Organelle** | **Description** | **Illustration** |
| 1. |  |  |
| 2. |  |  |
| 3. |  |  |
| 4. |  |  |
| 5. |  |  |

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Rubric: Cell Amusement Park Culminating Activity for Visual Blueprint**

Title of Work: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Partner \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Category** | **Level 1** | **Level 2** | **Level 3** | **Level 4** |
| Creativity | There is little evidence of uniqueness in the blueprint. | Blueprint has few unique details in terms of layout and design. | Blueprint is unique in terms of layout and design. | Blueprint is exceptionally unique in terms of layout and design. |
| Independent Work | Had a difficult time staying on task. Needed much redirection | Satisfactorily used class time. Needed some prompting to use time more wisely and limit the social chat | Used time well during each class period. Usually focused on getting the product done and hardly distracted by others | Stayed on task throughout without needing any reminders. Never distracted others. |
| Initiative | Project seems to be completed in haste. Much encouragement needed. | Project contains many errors. More effort needed. | Project is neat and detailed. Evidence of thought and planning. | Displayed a positive attitude. Project is exceptionally neat, detailed and shows evidence of initiative. |
| **Visual Blueprint**  Blueprint Graphics and Relevance  (Although, illustrations will not be marked strictly, graphics should be depicted accurately to the best of students’ ability.)  Blueprint Attractiveness | Blueprint lacks accurate representation of the chosen organelles. Graphics do not relate to the chosen organelles.  Blueprint is messy, poorly designed, and difficult to read. | Blueprint portrays a somewhat accurate representation of the chosen organelles. Some graphics relate to the chosen organelles.  Blueprint is acceptably attractive but could have been more neat and made easy to read. | Blueprint portrays an accurate representation of the chosen organelles. Most graphics are related to the chosen organelles.  Blueprint is neat, well designed, and easy to read. | Blueprint exceptionally portrays an accurate representation the chosen organelles. All graphics are directly related to the chosen organelles.  Blueprint is exceptionally neat, well designed, and easy to read. |

**Rubric: Cell Amusement Park Culminating Activity for Write-up**

Title of Work: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Partner \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Category** | **Level 1** | **Level 2** | **Level 3** | **Level 4** |
| Independent Work | Had a difficult time staying on task. Needed much redirection | Satisfactorily used class time. Needed some prompting to use time more wisely and limit the social chat | Used time well during each class period. Usually focused on getting the product done and hardly distracted by others | Stayed on task throughout without needing any reminders. Never distracted others. |
| Write up | Poor explanation of the appearance and function of rides with regard to the respective organelles and very little understanding of the differences between a plant cell and animal cell. | Some explanation of the appearance and function of rides with regard to the respective organelles and some understanding of the differences between a plant cell and animal cell. | Good explanation of the appearance and function of rides with regard to the respective organelles and good understanding of the differences between a plant cell and animal cell. | Excellent explanation of the appearance and function of rides with regard to the respective organelles and thorough understanding of the differences between a plant cell and animal cell. |
| Explanation of Microscope | Poor explanation of how the electron microscope helps with the understanding of cells and cell processes. | Some explanation of how the electron microscope helps with the understanding of cells and cell processes. | Good explanation of how the electron microscope helps with the understanding of cells and cell processes. | Excellent explanation of how the electron microscope helps with the understanding of cells and cell processes. |

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Rubric for – Cell Amusement Park Culminating Activity for Oral Presentation**

Title of Work: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Category** | **Level 1** | **Level 2** | **Level 3** | **Level 4** |
| Presentation Effectiveness  (Vocabulary needed to be used: respective cell organelles, diffusion, osmosis) | Presentation generates no interest or excitement about the fair ground. Limited vocabulary used to communicate to the audience. | Presentation generates some interest and excitement about the fair ground. Some appropriate vocabulary used to communicate to the audience. | Presentation generates interest and excitement about the fair ground. Appropriate vocabulary used to communicate to the audience. | Presentation generates high interest and excitement about the fair ground. Sophisticated vocabulary used to communicate to the audience. |
| Creativity | No evidence of creativity and originality. No advertising strategies used. | Little evidence of creativity and originality. Few advertising strategies used. | Presentation is creative and original. A variety of advertising strategies used. | Presentation is exceptionally creative and original. A wide range of advertising strategies used. |
| Initiative | Project seems to be completed in haste. Much encouragement needed. | Project contains many errors. More effort needed. | Project is neat and detailed. Evidence of thought and planning. | Displayed a positive attitude. Project is exceptionally neat, detailed and shows evidence of initiative. |
| Voice (loud, clear pronunciation, appropriate speed, expression) | Inappropriate voice used throughout presentation. | Voice used through presentation is somewhat appropriate. | Voice used throughout presentation was mostly appropriate. | Voice used throughout presentation was always appropriate. |